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hours' time. It was the white of an egg, with ſome camphire and ſugar, which he rubbed 'till it foamed upon a pewter plate, then tied it in a handkerchief, and bound it upon the forehead. This he found to ſucceed in every inflammation of the eyes.

It hails frequently both in ſummer and harveſt; but I never ſaw the hail bigger than peaſe. It ſeldom lightens but at the ſummer ſolſtice. The thunder is alſo but ſeldom heard, and then ſeems to be at a great diſtance. We have no inſtance of any one killed by thunder: the natives ſay, indeed, that before the arrival of the *Ruſſians* they had a great thunder, and ſome were killed by it; but this is to be queſtioned, ſince for ſo long a time we have had no inſtances of it. As to fogs, it is impoſſible that there ſhould be greater any where than at *Kamtſchatka*; and it is to be queſtioned whether deeper ſnows fall any where between 55 and 52 degrees north latitude than here, from the melting of which the rivers ſwell ſo much as to overflow their banks, and the earth in the ſpring is entirely covered with water. The cold in winter is moſt intenſe about the Great River and the *Awatſcha*; but in the lower *Kamtſchatkoi Oſtrog* it is much warmer than in any other place of *Siberia* in the ſame latitude.

The greateſt inconveniency ariſes from the violent winds and ſtorms, concerning which the following remarks may not be improper. Before a great wind, which generally comes from the eaſt, the air is always thick and dark; but, as I had not a thermometer, I cannot be certain if it is warmer then than at other times. The eaſt winds coming from the *Lopatka*, where are burning mountains and warm ſprings, I imagine that they not only ariſe from the narrowneſs of the land, but alſo from ſubterraneous fires and vapours.

With regard to other advantages or diſadvantages of this country, one may ſay in general, that its greateſt riches conſiſt in plenty of good furs and fiſh, and its greateſt inconveniences in the want of iron and ſalt. The firſt they are ſupplied with from other

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other places, and the ſecond by boiling ſea water into ſalt; but the troubleſome diſtant carriage of the iron, and the boiling of the ſalt, are attended with ſuch expence and difficulty, that they are both ſold at a moſt intolerable price. One cannot buy a common ax under two rubles, and a pound of ſalt coſts four rubles.

CHAP. II.

Of the VOLCANO's *or* BURNING MOUNTAINS.

THERE are three burning mountains in *Kamtſchatka*, the *Awachinſky*, the *Tulbatchinſky*, and the *Kamtſchatka*.

The *Awachinſky* mountain ſtands upon the north ſide of the bay of *Awatſcha*, at a good diſtance indeed, but its bottom reaches to the very bay; and all the high mountains, near one half of their height, are made up, as it were, of rows of hills ſet one upon another, and the top they call the *Shatſe*, or tent, which is always naked, but the lower parts are generally covered with wood.

Theſe mountains for many years throw out a continual ſmoke, but flame only at times. The moſt terrible fire happened, as the *Kamtſchadales* ſay, in the ſummer of the year 1737; but this laſted no longer than 24 hours, and concluded by throwing out a vaſt cloud of aſhes, which covered the adjacent parts the depth of a verſhoke *

* A verſhoke is the $\frac{1}{16}$ of the *Ruſſian* arſhin, which contains 27 inches.